LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 352

Evaporated Fruit and Vegetables

11296—1

NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

A. McGILL,
Chief Analyst.

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 352

EVAPORATED FRUIT AND VEGETABLES

OTTAWA, November 16, 1916.

J. U. VINCENT, Esq.,
Deputy Minister of Inland Revenue.

SIR:—I beg to hand you a report upon 160 samples purchased by our inspectors in December, January and February last, as dried or evaporated Fruit and Vegetables.

The object had in view in this inspection was the ascertainment of the content of sulphur-dioxide in this class of foods. An order in Council of 4th April, 1914, published as Circular G. 1111, limits the amount of sulphurous acid (sulphur-dioxide) which may be present in solid foods to 1 part in 2,000 parts (equivalent to 500 parts per million).

Sulphurous Acid is largely employed in the bleaching of those fruits and vegetables in whose case it is desirable to have the product as light coloured as possible. There is, of course, a temptation to use excess of the bleaching agent; and as this is more or less poisonous, above very narrow limits, it is important that a strict watch be kept upon the articles treated with it.

Our inspectors have, unfortunately, included a large number of samples in whose case the employment of a bleaching agent is unnecessary; such as prunes, raisins, currants, etc. These samples, which of course, contain no sulphur-dioxide, I have relegated to Table II in this report, and have merely reported upon their general soundness and cleanliness. The samples included in this report may be grouped as follows:

TABLE I.

Sample in whose preparation sulphurous acid is likely to be employed as a bleach.

Evaporated	Apples	35 samples.
"	Apricots	18 "
"	Peaches	30 "
"	Pears	4 "
	Total	87 "

Table II.

Samples in whose preparation sulphurous acid is not required as a bleach.

Tinned goods	3 samples.
Prunes	36 "
Figs	12 "
Dates	3 "
Raisins	3 "
Pineapple	1 sample.
Vegetable soups	3 samples.
Candied peel	2 "
Currants	2 "
Dried carrots	1 sample.
" peas	1 "
" potatoes	1 "
" peaches	7 samples.
" apricots	9 "
" apples	5 "
" pears	4 "
Total	93 "

In the last five kinds sulphurous acid might be present; but these are included in Table 11 because, through oversight, its determination was not made in these twenty-six samples.

So far as the 93 samples of Table I are concerned, I find as follows:

Contain no sulphurous acid	19 samples.
" no excess sulphurous acid	47 "
" slight excess sulphurous acid	3 "
" decided excess sulphurous acid	18 "
Total	87 "

Eighteen samples containing above one and one half (1·5) parts of sulphurous acid per 2,000 parts by weight, I find:—

Containing 4 parts per 2,000	1 sample.
" 3 " "	5 samples.
" 2 " "	8 "
" less than 2 parts	4 "
Total	18 "

It is regrettable that this report has been so long delayed, due to press of work and the fact that our staff is overhanded. I would respectfully recommend that no action be taken upon it, partly for this reason, and partly because it is a first inspection under our standards for sulphurous acid. A further and more extended inspection will be made at as early a date as possible.

I beg to recommend publication as Bulletin No. 352.

I have the honour to be, Sir,
Your obedient servant,

A. McGILL,
Chief Analyst.

TABLE 1.—BULLETIN No. 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF NOVA SCOTIA—							
1915.							
Dec. 29	Evaporated Peaches.	60863	A. J. Roop, New Glasgow.	1½ lb.	23	California Fruit Canners Ass'n., San Francisco.	Laporte Martin Co., Montreal.
" 29	" Apricots.	60864	S. M. Lockhart & Co., New Glasgow, N.S.	1½ "	30	J. K. Armsby Co., San Francisco.	R. McGregor & Sons, New Glasgow.
" 29	" Peaches.	60865	" "	1½ "	22	" "	" "
" 30	" Apples.	60866	C. A. Fraser & Co., Stellarton, N.S.	1½ "	21	A. Asquith & Son, Auburn, Ont.	Unknown.....
" 31	" " ..	60867	Abraham Myette, Tracadie, N.S.	1½ "	15	Unknown.....	John Tobin & Co., Halifax.
DISTRICT OF PRINCE EDWARD ISLAND—							
Dec. 14	Evaporated Apples..	60453	Coffin & Co., Charlottetown, P.E.I.	1½ lb.	18	....	Carvell Bros., Charlottetown.
" 14	" Peaches.	60454	" "	1½ "	23	....	Bauld Bros., Halifax.
" 17	" " .	60455	Been & Goff, Charlottetown, P.E.I.	1½ "	24	....	Wm. A. Higgin & Co., New York.
" 17	" Apricots.	60456	" "	1½ "	30	Griffin & Skelly California.	....
" 17	" Peaches.	60457	W. W. Walker, Charlottetown, P.E.I.	1½ "	24	J. K. Armsby Co. California.	.....
DISTRICT OF NEW BRUNSWICK—							
Dec. 15	Evaporated Apricots.	60272	Two Barkers, Ltd., St. John, N.B.	1½ "	30	Phoenix Packing Co., California.	.....
" 20	" Peaches.	60273	M. E. Grass, St. John, N.B.	1½ "	25	California Fruit Canners Ass'n., San Francisco.	.....
" 20	" Apples..	60274	Henry L. Alexander, St. John, N.B.	1½ "	18	Nat. Fruit Packing Co., Toronto.	.....
" 21	" Apricots.	6027	W. A. Porter, St. John, N.B.	1½ "	35	California Fruit Canners Ass'n., San Francisco.	....
1916.							
Jan. 11	" Peaches.	60277	A. E. Eardley, Fredericton, N.B.	1½ "	25	" "	.....
" 12	" Pears....	60278	G. T. Whelpley, Fredicton, N.B.	1½ "	90	Griffin & Skelly, Fresno, Cal.	.....
Feb. 9	" Apricots.	60279	J. T. Ryan, Moncton, N.B.	1½ "	30	Rosenberg Bros. & Co., California.	....
" 9	" Peaches.	60280	" "	1½ "	30	" "	.....
DISTRICT OF QUEBEC CITY—							
Jan. 10	Pomme sèches	56750	A. Drolet, 114 St. Valier, Quebec.	1½ lb.	23	Unknown	Whitehead & Turner.

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 1000 SO_2.	Moisture.		
W. A. PETIPAS, TEMPORARY INSPECTOR.							
.....	Fair ...	Sound.....	Clean.....	3·1	.....	60863	Sulphurous acid in excess.
....	Poor. ..	Sour.....	"	3·0	.....	60864	" "
.....	Good...	Sound.....	"	1·7	.....	60865	" "
.....	" ...	"	"	None...	.....	60866	No sulphurous acid.
.....	Poor....	Fermented		" ...	.....	60867	" "
WM. A. WEEKS, INSPECTOR.							
....	Good...	Sound.....	Clean.....	None...	.....	60453	No sulphurous acid.
.....	" ...	"	"	2·2	.....	60454	Sulphurous acid in excess
.....	" ...	"	"	2·4	.....	60455	" "
....	Fair....	"	"	0·8	.....	60456	Sulphurous acid O.K
.....	Good...	"	"	4·0	.....	60457	Sulphurous acid in excess.
JOHN C. FERGUSON, INSPECTOR.							
....	Poor....	Mouldy	Dirty.....	3·2	.....	60272	Sulphurous acid in excess.
.....	Fair....	.....	Clean...	1·5	.....	60273	Sulphurous acid in some excess.
....	Good...	Sound	"	None...	.....	60274	No sulphurous acid.
.....	" ...	"	"	1·2	.....	60275	Sulphurous acid O.K
....	Poor....	.....	Dirty.	1·80	.....	60277	Sulphurous acid in excess.
.....	Good...	... .	Clean.....	2·0	.....	60278	" "
Stencilled on Box. Contains Sulphur Dioxide.	Fair...	.....	Slightly dirty...	3·1	.....	60279	" "
" " ..	Good...	....	Clean.....	1·2	.....	60280	Sulphurous acid O.K
F. X. W. E. BELAN', INSPECTOR.							
....	Good...	.....	.....	None...	.....	56650	No sulphurous acid.

TABLE 1.—BULLETIN No. 352—

Date of Collection	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF QUEBEC PROVINCE—J. E. AUDET, O. BROCHU,							
1915.							
Dec. 16	Pommes sèche.	3646	E. Halle, St. Helene. Breakeyville.	1½ lb.	15	.....	Carrier Fils, Levis.
" 20	" ..	3651	L. Lemieux, St. Lambart	1½ "	20	.....	Ed. Couture, "
" 23	" ..	3667	J. Dussault, St. Hénédine	1½ "	18	.....	J. B. Renaud, Que.
1916.							
Jan. 12	" ..	3674	J. A. Cloutier, St. Odilon.	1½ "	18	.....	A. B. Dupuis, "
" 13	" ..	3676	F. X. Audet, St. Leon..	1½ "	18	.....	.....
1915.							
Dec. 24	Apples.....	4461	Arthur Fradette, Armagh.	1½ "	18	The Graham Co., Ltd.	.....
" 22	Pommes sèche,	72205	T. B. C Londreau, Montmagny.	1½ "	23	.....	Turcotte Frere & Cie.
" 27	" evaporè.	72216	Alphonse Letourneau, St. Pierre.	1½ "	23	.....	" "
" 27	" ..	72218	Deles Conlombe & Cie, St. Pierre.	1½ "	23	.....	Langlois & Paradis
" 30	" ..	72235	Romes L' Esperance, Montmagny.	1½ "	20	.....	Whitehead & Turner, Quebec.
" 22	" ..	4913	J. E. Rioux, Bic.....	1½ "	18	.....	Langlois & Paradis Quebec.
" 23	" ..	4927	Pelletier & Bolanger, St. Fabien.	1½ "	18	.....	N. Rioux, Quebec.
" 24	" ..	4930	Geo. E. Michaud, St. Alexandre.	1½ "	18	.....	Whitehead & Turner, Quebec.
1916.							
Jan. 8	Pommes seches	379	Avila Lawzon, St. Jerome.	1½ "	20	.....	Hudon & Orsali...
DISTRICT OF THREE RIVERS—							
1915.							
Dec. 15	Pommes evaporè.	69192	Nap. Charbonneau, St. Idi Matha.	1½ lb.	18	.....	Chevalier Pouliot, Joliette.
" 16	" ..	69196	I. P. A Boucher, St. Damien.	1½ "	18	.....	" "
" 19	Peaches evaporè.	69210	J. O. Daviault, Berthierville.	1½ "	20	.....	Laporte Martin, Montreal.
" 18	Apples "	69215	L. A. Caisse, Berthierville.	1½ "	20	.....	" "

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 2000 S. O2.	Moisture.		
T. GENDREAU, A. PELLETIER, AND N. CADIEUX, TEMPORARY INSPECTORS.							
	Poor	Slightly fermented.		None		3646	No sulphurous acid.
	Good	Sound	Clean	"		3651	" "
	Very poor.	Fermented and decayed.	Dirty	"		3667	" "
	Fair			"		3674	" "
	Poor	Fermented		"		3676	" "
				0·024		4461	Sulphurous acid O. K.
				Trace		72205	" "
				"		72216	" "
				0·154		72218	" "
				0·052		72235	" "
	Poor	Fermented	Dirty	None		4913	No sulphurous acid.
	Good	Sound	Clean	"		4927	" "
	"	"	"	"		4930	" "
				0·026		379	Sulphurous acid O. K.
DR. V. P. LAVALLEE, INSPECTOR.							
				0·076		69192	Sulphurous acid O. K.
				0·102		69196	" "
				0·152		69210	" "
				Trace		69215	" "

TABLE I—BULLETIN No. 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF EASTERN TOWNSHIPS—							
1916.							
Feb. 8	Peaches	67549	Geo. Bolduc, Lennoxville.	1½ lb.	20		
" 10	"	67550	Gosselin & Paradis, Magog.	1½ "	15		
DISTRICT OF MONTREAL—							
Feb. 9	Apricots	67247	H. Benoit, 340 Charron st., Montreal.	1½ lb.	27		Hudon, Hebert & Cie.
" 10	Apples	67250	J. A Dionne, 118 Congregation st., Montreal.	1½ "	18		Unknown
DISTRICT OF VALLEYFIELD—							
Jan. 4	Apples	62962	J. A. Lalonde, Alexandria.	1½ lb.	20		
" 4	Peaches	62963	A. Markson, Alexandria	1½ "	18		
" 19	Apricots	62964	V. Dorie, Longueuil	1½ "	30		
" 19	"	62965	" "		20		
DISTRICT OF OTTAWA—							
1915.							
Dec. 8	Apricots	70559	Wm. Jenkins, Carleton Place.	1½ lb.	23	J. K. Armsby Co., San Francisco.	
" 8	Peaches	70560	Alex. Sibbett, Carleton Place.	1½ "	20		F. J. Castle Co., Ottawa.
" 11	"	70576	Bradfield Bros. & Co., Morrisburg.	1½ "	18	North Ont. Pack. Co., California.	
" 13	Apples	70581	A. E. Fairbairn, 1320 Bank st., Ottawa.	1½ "	20	F. C. Whitcomb, Warkworth, Ont.	
" 14	Peaches	70585	Jas. MacPherson, Arnprior.	1½ "	22	Griffin & Skelly, California.	Forbes Bros., Arnprior.
" 17	Apples	70607	Joseph Fitzpatrick, Brockville.	1½ "	19	Graham Co., Ltd., Belleville.	
" 20	Apricots	70617	Louis T. Lortie, Wellington st., Ottawa.	1½ "	23	Guggenhime, San Francisco.	
" 21	Apples	70620	H. Racine, Water and Dalhousie sts., Ottawa.	1½ "	20	F. C. Whitcomb, Warkworth, Ont.	
" 28	"	70634	Quesnel & Clement, Alfred.	1½ "	23	Mahler Bros., Forest, Ont.	
1916.							
Jan. 5	Apricots	70660	F. A. Scott, Bank st., Ottawa.	1½ "	30	Guggenhime, Fresno.	

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report. (Is not an expression of opinion.	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 2000 S O_2.	Moisture.		
J. J. COSTIGAN, ACTING INSPECTOR.							
Easter Brand				0·066		67549	Sulphurous acid. O.K.
				0 174		67550	" "
D. J. KEARNEY, INSPECTOR.							
				0·178		67247	Sulphurous acid. O.K.
				0·154		67250	" "
J. J. COSTIGAN, ACTING INSPECTOR.							
Daisy				0·052		62962	Sulphurous acid. O.K.
				0·283		62963	" "
				0·152		62964	" "
				0·102		62965	" "
J. A. RICKEY, INSPECTOR.							
Sunkist Brand. Prepared with Sulphur Dioxide.				0·306		70559	Sulphurous acid. O.K.
" "				0 460		70560	" "
Commandeer Brand.				0·076		70576	" "
Prepared with Sulphur Dioxide.				0·230		70581	" "
Daisy Brand.				Trace.		70585	" "
Eastern Brand. Prepared with Sulphur Dioxide.				0·076		70607	" "
Mikado Brand				0·230		70617	" "
Daphne Brand. Prepared with Sulphur Dioxide.				0·102		70620	" "
				Trace.		70624	" "
Prepared with Sulphur Dioxide.				0·154		70660	" "

TABLE I—BULLETIN No. 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF KINGSTON—							
1915.							
Dec. 9	Evaporated Apples.	71771	J. E. Purdy, Kingston..	1½ lb.	30	....	Geo. Robertson & Son, Kingston.
" 10	" " .	71773	C. Saunders, " ..	1½ "	25	....	" "
" 13	" " .	71774	H. A. Fairfield, Belleville	1½ "	37	....	J. Sloan Co., Belleville.
" 13	" Apricots.	71775	J. H. P. Young, "	1½ "	30	.....	" "
" 14	" Peaches .	71776	The Fair, Trenton.....	1½ "	15	....	Newman, Picton..
" 15	" " .	71778	A. Pearson, Peterboro..	1½ "	15	....	C. Rishor, Peterboro.
" 15	" Apricots.	71779	W. H. Hamilton, " ..	1½ "	30	.....	Perkins Ince Co., Peterboro.
DISTRICT OF TORONTO—							
Dec. 29	Peaches	70129	The Robt. Simpson Co., Ltd., Queen and Yonge sts., Toronto.	3 pkg.	15	.....	Grocery, Ltd., Toronto.
DISTRICT OF WINDSOR—							
1916.							
Jan. 11	Apricots.. ..	54535	W. T. O'Neil, Clinton..	1½ lb.	27	Pacific Fruit Producers Co., San Francisco.	....
" 12	"	54543	O. C. Whitley, Goderich	1½ "	27	Phoenix Pack. Co., Cal.	....
" 13	Peaches	54562	W. R. Smith, Seaforth..	1½ "	15	Unknown.....	....
" 14	Apples.	54565	A. M. Smith & Son, Woodstock, Ont.	1½ "	15	... .	Mr. Dannbrook, Woodstock, Ont.
" 14	Peaches	54570	E. W. Sage, Woodstock, Ont.	1½ "	20	..... .	Geo. Watt, Brantford.
DISTRICT OF MANITOBA—							
1915.							
Dec. 29	Evaporated Apples. .	71977	H. Lucon, Minnedosa..	1½ lb.	20	Richards & Brown, Winnipeg.	. .....
" 30	" Apricots.	71978	J. Kerr & Co., Neepawa	1½ "	50	G. McLean Co., Winnipeg.	... .
" 30	" Pears....	71979	John Brown & Sons, Neepawa.	1½ "	25	Campbell Bros. & Wilson, Winnipeg	....
" 30	" Peaches..	71980	J. A. Glare, Neepawa.	1½ "	15	Griffin & Skelly...	.. ..

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 2000 S O2	Moisture.		
JAMES HOGAN, INSPECTOR.							
.....	.....	.....	.....	0·410	.....	71771	Sulphurous acid O. K.
.....	.....	.....	.....	0·220	.....	71773	" "
.....	.....	.....	.....	Trace.	.....	71774	" "
.....	.....	.....	.....	0·283	.....	71775	" "
.....	.....	.....	.....	0·102	.....	71776	" "
.....	.....	.....	.....	0·870	.....	71778	" "
.....	.....	.....	.....	0·600	.....	71779	" "
H. J. DAGER, INSPECTOR.							
.....	.....	.....	.....	0·154	.....	70129	Sulphurous acid O. K.
JOHN TALBOT, INSPECTOR.							
King Brand.....	.....	.....	.....	Trace.	.....	54535	Sulphurous acid O. K.
.....	.....	.....	.....	0·332	.....	54543	" "
.....	.....	.....	.....	Trace.	.....	54562	" "
.....	.....	.....	.....	"	.....	54565	" "
Santa Clara Brand..	.....	.....	.....	0·332	.....	54570	" "
J. B. COSGROVE, TEMPORARY INSPECTOR.							
.....	Good...	Sound.....	Clean.....	None ..	12·1	71977	No sulphurous acid.
.....	" ...	"	"	3·142	14·7	719[illegible]	Sulphurous acid in excess.
.....	Poor....	Wormy.....	Dirty	0·966	13·5	71979	Sulphurous acid O.K.
.....	Fair...	Fair.....	Fair.....	1·372	16·1	71980	Sulphurous acid in slight excess.

TABLE I—BULLETIN No. 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF MANITOBA—							
1916.							
Jan. 4	Evaporated Apricots.	71981	White Zeigler, Souris...	1½ lb.	30	Codville Co., Brandon.	....
" 5	" Pears....	71982	E. M. McKenzie, Souris	1½ "	40	No. Vary Co., Brandon.	.. ..
" 6	" Peaches..	71983	P. F. Bridgen, Brandon.	1½ "	20	Codville Co., Brandon.	.. ..
" 6	" Apples..	71984	A. Reid, Brandon.....	1½ "	20	Unknown.....	.....
" 7	" Peaches..	71985	Lowden & McCormack, Virden.	1½ "	20	Brandon Grocery Brandon.	.....
" 7	" " ..	71986	Scales & Carscadden, Virden.	1½ "	20	Campbell Bros., & Wilson, Winnipeg	.....
DISTRICT OF SASKATCHEWAN—							
1915.							
Dec. 14	Evaporated Fruit.	71502	T. A. Easson, Avonlea..	1½ lb.	25	.. . .	Moose Grocery Co., Moose Jaw.
" 15	" ..	71506	Avonlea Mercantile Co., Avonlea.	1½ "	20	No Vary Products, Minneapolis.	....
" 16	" ..	71510	E. P. Mullens, Yellow Grass.	1½ "	20	....	McDonald Crawford, Moose Jaw.
" 16	" ..	71513	Hector Hay, Yellow Grass.	1½ "	30	Rosenberg Bros., Co., California.	Campbell Wilson & Strathdee, Regina.
" 17	" ..	71525	Hallonquist Bros., Weyburn.	1½ "	25	. ...	Weyburn Grocery, Weyburn.
DISTRICT OF NOVA SCOTIA—							
1916.							
Feb. 18	Evaporated Fruit.	64331	Wm. Moore, Halifax...	1½ lb.	15	O. E. Robertson & Co., Ingersoll, Ont.	... .
" 23	" ..	64332	Wentzwell Ltd., Halifax	1½ "	15	K. C. Raisin & Fruit Co., Cal.	....
" 23	" ..	64333	" "	1½ "	15	Forsyth Bros., Greenwich, N.S.	.....
" 23	" ..	64334	Jas. Scott & Co., Halifax	1½ "	0	J. K. Armsby & Co., California.	R. B. Seaton & Co., Halifax.
TABLE II—DISTRICT OF PRINCE EDWARD ISLAND—							
1915.							
Dec. 17	Evaporated Prunes.	60458	W. W. Walker, Charlottetown, P.E.I.	1½ lb.	18	.....	Bauld Bros., Halifax.
" 24	"	60459	J. A. Cronin, Charlottetown, P.E.I.	1½ "	18	....	"

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 2000 SO2.	Moisture.		
Concluded.							
.....	Fair....	Sound.....	Clean.....	2·984	18·6	71961	Sulphurous acid in excess.
....	Good...	"	"	2·052	20·6	71962	" "
....	Fair....	"	"	2·152	15·8	71963	" "
.....	" ...	Fair.	Fair.....	None...	11·5	71964	No sulphurous acid.
.....	" ..	"	"	2·160	17·6	71965	Sulphurous acid in excess.
....	Good...	Sound	Clean	1·650	16·2	71966	" "
L. H. HALL, TEMPORARY INSPECTOR.							
Apples.....	Good...	Sound	Clean	None...	10·66	71502	No sulphurous acid.
Peaches	Fair....	Fair.....	Fair.....	2·348	13·1	71506	Sulphurous acid in excess.
Apples.....	Good...	Sound.....	Clean.....	None...	9·7	71510	No sulphurous acid
Pears.....	Poor....	Wormy.....	Dirty..... ..	1·064	14·3	71513	Sulphurous acid O.K
Peaches	"	Poor	"	1·702	15·0	71526	Sulphurous acid in excess.
R. J. WAUGH, TEMPORARY INSPECTOR.							
Apples.....	Good...	Sound.....	Clean.....	None...	.....	64331	No sulphurous acid.
Peaches	Poor....	Decayed....	Dirty.....	0·6	.....	64332	Sulphurous acid O.K
Apples.....	" ...	Fermented..	.....	None...	.....	64333	No sulphurous acid.
Apricots.....	Good...	Sound.....	Clean.....	1·5	.....	64334	Sulphurous acid in some excess.
WM. A. WEEKS, INSPECTOR.							
.....	Good.. .	Sound.....	Clean.....	.....	.....	60458	
....	" ..	"	"	.....	.....	60459	

TABLE II—BULLETIN No. 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF NEW BRUNSWICK—							
1915.							
Dec. 15	Evaporated Prunes.	66271	Two Barkers, Ltd., St. John, N.B.	1½ lb.	18	Phœnix Pack Co., California.	....
" 21	"	66276	James Collins, St. John, N.B.	1½ "	27	California Fruit Canners Assn., San Francisco.	....
DISTRICT OF QUEBEC CITY—							
1916.							
Jan. 5	Soupe eaux tomatos.	56643	A. Drolet, 714 St. Valier, Quebec.	3 paq.	15	Lemou Co.....	Manufacturer .. .
" 5	Soupe eaux pois.	56644	" "	3 "	15	"	" ....
" 5	Soupe julienne	56645	" "	3 "	15	Maggie, Ltd.....	" ....
" 5	Currants.	56646	" "	1½ lb.	24	Unknown.....	Rioux C.e..... ....
" 5	Prunes.	56647	" "	1½ "	27	"	Langlois Paradis..
" 10	Ecorce de citron.	56648	" "	1½ "	38	"	" ..
" 10	Ecorce de orange.	56649	" "	1½ "	38	"	Joseph Co.....
" 10	Figues.....	56651	" "	1½ "	23	"	Whitehead & Turner.
" 10	Dattes.....	56652	" "	1½ "	36	"	"
DISTRICT OF QUEBEC PROVINCE—T. GENDREAU,							
1915.							
Dec. 30	Prunes	72231	Delas H. & A. Talbot, Montmagny.	3 bxs.	45	Rosenberg Bros. & Co., California.	....
" 22	"	4907	Louis O. Aubre, Bic...	3 "	45	" "	Carrier Fils, Levis
" 22	"	4919	P. E. Dangous & Fils, Bic	1½ lb.	15	" "	L. E. Doston, Sherbrooke.
" 28	"	366	Mde. F. D. Hall, Ste. Agathe des Monts.	1½ "	15	... .	S. J. Carter .....
1916.							
Jan, 8	"	378	L. C. Taillon, St. Jerome	1½ "	23	.....	J. C. Carter, Montreal.
1915.							
Dec. 22	Annanas.....	4443	J. E. Lemieux, St. Michel.	3 bxs.	60	Standards Imports Co., Montreal.	.....
" 23	Pommes.....	4450	Dame Ed. Dion, St. Gervais.	3 boite	36	.....	W. Clark.....
" 23	Peche	4451	" "	3 "	60	.....	Turcotte Frere....
" 23	Pommes..	4453	Arthur Arsenault, St. Gervais.	3 "	36	....	" ....

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 1000 Sod.	Moisture.		
JOHN C. FERGUSON, INSPECTOR.							
	Fair					66371	
	Good	Sound	Clean			66376	
F. X. W. E. BELAND, INSPECTOR.							
		Sound	Clean	Dried vegetables		56643	
		"	"	Pea		56644	
		"	"	Vegetable extractive.		56645	
	Good	"	"			56646	
	"	"	"			56647	
	"	"	"			56648	
	"	"	"			56649	
	"	"	"			56651	
	"	"	"			56652	
A. PELLETIER, N. CADIEUX, AND O. BROCHU. TEMPORARY INSPECTORS.							
	Good	Sound	Clean			72231	
	"	"	"			4907	
	Poor	Slightly decayed.	"			4919	
	Good	Sound	"			366	
	"	"	"			378	
	Pine apple.		Canned.			4443	
						4450	Are canned goods.
						4451	"
						4453	"

TABLE II—BULLETIN No, 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF THREE RIVERS—							
1915.							
Dec. 19	Evaporated Raisins.	69208	J. O. Daviault, Berthierville.	1½ lb.	27		Laporte Martin, Montreal.
" 19	" Figues...	69209	" "	1½ "	27		" "
" 19	" Prunes..	69211	" "	1½ "	27		" "
" 18	Prunes... ...	69214	L. A. Caisse, Berthierville.	1½ "	23		" "
" 18	Raisins. .. .	69216	" "	1½ "	20		" "
DISTRICT OF EASTERN TOWNSHIPS—							
1916.							
Feb. 10	Figs.....	67551	J. O. Donigan, Magog..	1½ lb.	15		
DISTRICT OF MONTREAL—							
Feb. 8	Prunes.....	67241	J. Stetson, 264 Hibernia St., Montreal.	1½ lb.	20		Laporte Martin Co.
" 8	"	67242	P. Blais, 288 Liverpool St., Montreal.	1½ "	30		Hudon Hebert Co.
" 8	"	67243	N. Fortin, 80 Coleraine St., Montreal.	1½ "	18		" "
" 9	"	67244	R. Ekins, 601 Wellington St., Montreal.	1½ "	18		Laporte Martin Co.
" 9	Dates.... ...	67245	A. O. Galarneau, 624 Wellington St., Montreal.	1½ "	15		Unknown.....
" 9	Prunes.....	67246	S. Whitehead, 291 Charron St., Montreal.	1½ "	20		L. Chaput Fils & Cie.
" 9	"	67248	S. K. Stone, 627 Charron St., Montreal.	1½ "	27		Hudon Hebert Co.
" 9	"	67249	Wm. Monteith, 157 Congregation St., Montreal.	1½ "	20		Unknown... .....
DISTRICT OF VALLEYFIELD—							
Jan. 4	Prunes.....	62961	Jos. Sabourin, Alexandria.	1½ "	20		
" 20	Figs.....	62966	W. J. Martin, Buckingham.	1½ "	15		

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample	Remarks, and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 2000 Sol.	Moisture.		
DR. V. P. LAVALLEE, INSPECTOR.							
.....	Good...	Sound.....	Clean.....	...	...	6920	
.....	" ...	"	"	....	....	69208	
.....	" ...	"	"	...	...	69211	
.....	" ...	"	"	...	...	69214	
.....	" ...	" . .	"	...	...	69216	
J. J. COSTIGAN, ACTING INSPECTOR.							
.....	Good...	Sound.....	Clean.....			67[illegible]	
D. J. KEARNEY, INSPECTOR.							
.....	Good...	Sound	Clean..	...	...	6724	
.....	" ...	"	"	...	...	672[illegible]	
.....	" ...	"	"	...	...	[illegible]5	
.....	" ...	"	"	...	...	[illegible]4	
.....	" ...	"	"	...	...	[illegible]45	
.....	" ...	"	"	.....	...	67246	
.....	" ...	"	"	.....	.....	67248	
.....	" ...	" ...	"	.....	.....	6724[illegible]	
J. J. COSTIGAN, ACTING INSPECTOR							
.....	Good...	Sound.....	Clean.....	.....	... .	62961	
.....	" ...	"	"	.....	.....	62966	

TABLE II—BULLETIN No. 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF KINGSTON—							
1915.							
Dec. 9	Prunes	71772	H. M. Stover, Kingston.	1½ lb.	38		W. G. Craig Co., Kingston.
" 15	"	71777	A. Fife, Peterboro'.	1½ "	25		Perkins Ince, Peterboro'.
" 15	"	71780	J. M. Heard, Peterboro'.	1½ "	19		C. Rishor, Peterboro'.
DISTRICT OF TORONTO—							
Dec. 14	Figs	70121	Thos. McCann, Whitby.	1½ lb.	15		Eby, Blain, Ltd., Toronto.
" 15	Dates	70122	J. F. McClintock, Port Perry.	3 pkgs	30	Hill Bros. Co., New York.	
" 15	Figs	70123	C. E. Jones, Uxbridge.	1½ lb.	15		Unknown
" 16	"	70124	J. J. Sheir, Cannington.	1½ "	15		"
" 17	Currants	70126	W. H. Parr, Beaverton.	1½ "	23		Grocers, Ltd., Toronto.
" 20	Raisins	70126	E. Hanks, 197 Wilton Ave., Toronto.	3 pkgs	38		F. W. Humphrey, Toronto.
" 20	Figs	70127	F. Gluck, 356 Queen St. E., Toronto.	3 "	11		Unknown
" 20	Prunes	70128	Loblaw Stores, 229 Queen St. E., Toronto.	3 "	15		Midland Bros., Toronto.
" 23	Figs	70130	The T. Eaton Co., Ltd., Queen and Yonge Sts., Toronto.	3 "	15		Armstrong & Pafford, Toronto.
DISTRICT OF WINDSOR—							
1916.							
Jan. 12	Prunes	54542	O. C. Whitley, Goderich.	1½ lb.	23	Griffin & Skelly, California.	
" 13	"	54560	Cardno Bros., Seaforth.	1½ "			Elliot, Marr Co., London.
" 14	"	54575	J. A. Smith, Woodstock, Ont.	1½ "	15		T. B. Escott & Son, London.

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 1000 SO$_2$.	Moisture.		
JAMES HOGAN, INSPECTOR.							
.....	.....	ound ...	Clean	.....	.....	71772	
.....	...	"	"	.....	.....	71777	
.....	...	"	"	.....	.....	71780	
H. J. DAGER, INSPECTOR.							
....	Good...	Sound	Clean	.....	.....	70121	
....	" ...	"	"	.....	.....	70122	
....	" ...	"	"	.....	.....	70123	
.....	" ...	"	"	.....	.....	70124	
....	" ...	"	"	.....	.....	70125	
.....	" ...	"	"	.....	.....	70126	
.....	" ...	"	"	.....	.....	70127	
.....	" ...	"	"	.....	.....	70128	
....	" ...	"	"	.....	.....	70129	
JOHN TALBOT, INSPECTOR.							
Santa Maria	.....	Sound	Clean	.....	.....	54542	
.....	.....	"	"	.....	.....	54560	
.....	.....	"	"	.....	.....	54573	

TABLE II—BULLETIN No. 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF ALBERTA—							
1916.							
Feb. 10	Evaporated Apricots.	52361	J. H. Morris & Co., Edmonton.	1½ lb.	30	W. H. Malkin & Co., Vancouver.	.....
" 10	" Peaches .	52362	J. A. Hallier, Edmonton	1½ "	25	The J. K. Armsby Co., San Francisco.	.....
" 11	" Pears....	52363	Johnstone Walker, Ltd., Edmonton.	1½ "	30	Revillon, Wholesale, Ltd., Edmonton.	.....
" 11	" Plums...	52364	Hudson's Bay Co., Edmonton.	1½ "	25	Macdonald Cooper Co., Edmonton.	.....
" 15	" Apples ..	52365	Younge Bros., Camrose.	1½ "	25	E. F. Merner, Bayfield, Ont.	.....
" 16	" Pears....	52366	Pride, Nash & Co., Stettler.	1½ "	30	The A. Macdonald Co., Edmonton.	.....
" 21	" Peaches .	52367	S. G. Freeze, Calgary ..	1½ "	20	W. H. Malkin Co., Vancouver.	.....
" 22	" Apricots.	52368	John Irwin Co., Ltd., Calgary.	1½ "	35	Louis Petrie Co., Calgary.	.....
" 22	" Prunes ..	52369	J. A. Nolan, Calgary ..	1½ "	25	J. K. Armsby Co., California.	.....
" 23	" Pears....	52370	Geo. J. Wood, Calgary.	1½ "	40	Griffin & Skelly, San Francisco.	.....
DISTRICT OF ROCKY MOUNTAINS—							
1915.							
Dec. 14	Evaporated Apricots.	68122	Union Cash Grocery, Nelson.	1½ "	25	Amer. Fruit Products Co., San Francisco.	.....
" 14	" Peaches .	68123	Citizen's Co-Op. Assn., Nelson.	1½ "	25	Wilson Bros., Victoria.	.....
" 14	" Prunes ..	68124	" "	1½ "	20	" "	.....
1916.							
Jan. 7	" " ..	68146	J. Manning, Cranbrook.	1½ "	25	W. H. Malkin & Co., Vancouver.	.....
" 7	" Peaches .	68147	" "	1½ "	20	" "	.....
" 7	" Apricots.	68148	" "	1½ "	30	" "	.....
" 17	" Apples ..	68172	W. R. Braden, Rossland	1½ "	25	F. R. Lalor Co., Dunnville.	.....
" 17	" Prunes .	68173	" "	1½ "	25	Pacific Fruit Products Co., San Francisco.	.....
" 17	" Peaches .	68174	" "	1½ "	25	Kelly, Douglas Co., Vancouver.	.....
" 17	" Apricots.	68175	" "	1½ "	25	.....	Kelly, Douglas Co., Vancouver.

EVAPORATED FRUIT AND VEGETABLES.

Remarks and Opinion of the Chief Analyst.	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 1000 SO_2	Moisture.		
A. W. R. MARKLEY, INSPECTOR.							
Victoria Cross Brand		Sound	Clean		24·50	52361	
Green Plume Brand. Prepared with Sulphur Dioxide.		"	"		22·35	52362	
		"	"		22·38	52363	
Silver Bar Brand		"	"		25·48	52364	
Peerless Brand		Fair	Excrementitious matter present		21·43	52365	
Choice Pears		"	"		21·20	52366	
Victoria Cross Brand		Sound	Clean		24·50	52367	
Striped Brand		"	"		25·48	52368	
"		"	"		22·55	52369	
		Fair	Larvae present		23·45	52370	
THOS. PARKER, INSPECTOR.							
		Sound	Clean		23·58	68122	
		"	"		23·82	68123	
		"	"		24·87	68124	
		"	"		22·26	68146	
		"	"		22·52	68147	
		Fair	Excrementitious matter present		26·12	68148	
		"	"		20·66	68172	
		Sound	Clean		24·66	68173	
		Fair	Excrementitious matter present		22·69	68174	
		"	"		25·58	68175	

TABLE II—BULLETIN No. 352—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF VANCOUVER—							
1916.							
Jan. 19.	Evaporated Apricots.	55458	D. McGregor, 1201 Pender St. W., Vanc.	1½ lb.	20	Unknown	
" 19	" Prunes...	55459	" " ..	1½ "	20	Griffith & Skelly Co., California.	
" 19	" Peaches..	55460	Slater Bros., 131 Hastings St. E., Vancouver	1½ "	15	Kelly, Douglas & Co., Vancouver.	
" 20	" Prunes...	55461	S. Prichard, 950 Robson St., Vancouver.	1½ "	30	W. H. Malkin Co., Vancouver.	
" 20	" White Figs.	55462	I. X. L. Grocery, 1013 Robson St., Vancouver	1½ "	20	" " ..	
" 20	" Apricots.	55463	" " ..	1½ "	20	Cal. Cured Fruit Exchange Sacramento.	
" 20	" Potatoes.	55464	Hudson's Bay Co., Granville St., Vancouver.	3 tins.	60	Amer. Dehydrating Co., Waukesha, Wis.	
" 20	" Carrots..	55465	" " ..	3 "	45	" " ..	
" 20	" Peas.....	55466	" " ..	3 "	60	" " ..	
" 22	" Apples...	55467	C. A. Welsh, Ltd., 681 Columbia St., New Westminster.	1½ lb.	20	F. R. Lalor Co., Co., Dunnville, Ont.	
DISTRICT OF VICTORIA—							
Feb. 21	Evaporated Fruit Peaches	66649	Windsor Grocery Co., 817 Govt. St., Victoria.	1½ lb.	35	Cal. Fruit Canners Assn. San Francisco.	
" 21	Evaporated Fruit Prunes.	66650	" " ..	1½ "	30	" " ..	
" 22	Evaporated Apricots.	66658	Dixi H. Ross & Co., 1317 Govt. St., Victoria.	1½ "	40		Wilson Bros., Victoria.
" 22	" Apples...	66666	The West-End Grocery Co., 1002 Govt. St., Victoria.	1½ "	20		R. P. Rithet & Co., Victoria.
" 24	" Figs.....	66679	H. O. Kirkham & Co., 1109 Govt. St., Victoria.	1½ "	15	Guggerhime, San Francisco.	
" 24	" Pears....	66680	" " ..	1½ "	22		W. H. Malkin & Co., Vancouver.
" 24	" Apples..	66682	Acton Bros., 1317 Douglas St., Victoria.	1½ "	25		Kelly, Douglas & Co., Vancouver.
" 25	" Prunes.	66690	Henry W. Driver, 856 Yates St., Winnipeg.	1½ "	15		W. H. Malkin & Co., Vancouver.
" 26	" Figs.....	66694	Linden Grocery, Linden Ave. & May St., Victoria.	1½ "	15		R. P. Rithet & Co., Victoria.
" 28	" Apricots.	66695	Thos. Lea, 1358 Gladstone Ave., Victoria.	1½ "	25		Simon Leiser & Co., Victoria.

EVAPORATED FRUIT AND VEGETABLES.

Inspector's Report (Is not an expression of opinion.)	Results of Analysis.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Quality.	Soundness.	Cleanliness.	Parts per 2000 SO_2.	Moisture.		
E. J. MORGAN, INSPECTOR.							
					p.c.		
.....	.....	Sound	Clean.....	.....	24·95	55458	
Gold Bar Brand	.....	"	"	.....	23·89	55459	
Columbia Brand...	... ...	"	"	.....	23·93	55460	
Malkin's Best Brand.	.....	"	"	.....	23·20	55461	
.....	.....	"	"	.....	23·60	55462	
Blue Diamond Brand Box marked. Contains Sulphur Dioxide.	.....	"	"	.....	26·17	55463	
Dehydro Brand.....	.....	"	"	.....	11·62	55464	
"	.....	"	"	.....	12·75	55465	
"	.....	"	"	.....	10·03	55466	
.....	.....	" ...	"	.....	21·72	55467	
D. O'SULLIVAN, INSPECTOR.							
Honey Suckle Brand	.....	Sound.....	Clean.....	.....	21·58	66649	
Delmonte Brand....	.....	"	"	.....	24·11	66650	
....	.....	"	"	.....	22·60	66658	
.....	.....	Fair	Excrementitious Matter present.	.....	21·72	66666	
Daphne Brand.....	.....	Sound.....	Clean	.....	22·30	66679	
Victoria Cross Brand	.....	Fair	Worm eaten....	.....	24·12	66680	
....	.....	"	"	.....	20·39	66682	
Victoria Cross Brand	.....	Sound.....	Clean	.....	23·17	66690	
.....	.....	Unsound ...	Mouldy	.....	22·46	66694	
.....	.....	Sound.....	Clean	.....	26·06	66699	